

# How to mirror the rootvg in AIX?

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This procedure is to assume the rootvg having hdisk0 and we need to take a mirror to hdisk1.

## 1. Ground work:

**lspv** --> find out the none disk on the server for the mirroring.

**bootinfo -s hdisk1** --> check the size of the hdisk1 (It should be equal or bigger than hdisk0)

## 2. Mirror the rootvg

**extendvg rootvg hdisk1** --> Extend hdisk1 into the rootvg (force to extend if it throws error

"extendvg -f rootvg hdisk1")

**mirrovg -S rootvg hdisk1** --> To initiate the mirror in background which help us to access the rootvg volume group

**lsvg rootvg|grep -i stale** --> To check status of the sync process. (Execute the cmd again and again until the stale PPs becomes zero

**lsvg -l rootvg** --> Check and confirm the number of PPs is double than number of LPs.

**bosboot -ad /dev/hdisk1** --> To create the boot images on hdisk1

**bootlist -m normal hdisk0 hdisk1** --> To add the hdisk1 on the bootlist.

**bootlist -m normal -o** --> To confirm both hdisk0 and hdisk1 is part of the boot sequence.

### 3. Validation

**lsvg -l rootvg** --> Check and confirm the number of PPs is double than number of LPs.

**lsvg rootvg|grep -i stale** --> To check the number of stale pp is Zero

#### 4. Roll back

**unmirrorvg rootvg hdisk1** --> To unmirror the hdisk1 in the mirroring.

**reducevg rootvg hdisk1** --> To get the hdisk1 out of the rootvg

**chpv -c hdisk1** --> To Clear the boot image on the hdisk1

**bootlist -m normal hdisk0** --> To remove hdisk1 on the boot sequence which means add the hdisk0 alone on the boot sequence.

**bootlist -m normal -o** --> To confirm only hdisk0 is part of the boot sequence.

#### 5. Downtime

**NO downtime required for this mirror process.**

source: <http://howtoaix.blogspot.com/2013/01/how-to-mirror-rootvg-in-aix.html>

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